WHAT IS CLAIMED IS:

1	1. A computer-implemented method of generating concept units from
2	user search queries, the method comprising:
3	receiving a plurality of queries, each query comprising a string of one or more
4	words;
5	tokenizing each query string to produce one or more tokens for each query,
6	wherein said tokens for said queries form an initial set of units;
7	combining units from the initial set of units that appear adjacent each other in
8	a query to form a second set of units;
9	validating the second set of units;
10	repeating the steps of combining and validating one or more times using the
11	second set of units in place of the initial set of units until a convergence condition is satisfied
12	wherein a final set of units is formed once the convergence condition has been satisfied; and
13	storing the final set of units to a memory.
1	2. The method of claim 1, wherein receiving includes receiving one or
2	more query log files, each query log file including a plurality of queries.
1	3. The method of claim 2, further comprising consolidating the plurality
2	of queries from the one or more query log files into a single consolidated query file.
1	4. The method of claim 3, wherein consolidating includes removing
2	duplicates of queries and incrementing a count associated with each individual query each
3	time a duplicate of said individual query is removed, wherein the consolidated file includes a
4	list of individual queries and counts associated therewith.
1	5. The method of claim 3, wherein the received query log files include
2	query log files for each day of a week, and wherein consolidating includes forming a single
3	consolidated query file including queries for the week.
1	6. The method of claim 1, further including generating unit extensions
2	using the final set of units
1	7. The method of claim 6, wherein generating unit extensions includes
2	identifying units that are subsets of other units.

The method of claim 6, further including storing the unit extensions to . 1 8. 2 the memory. 1 9. The method of claim 1, further including generating unit associations 2 using the final set of units. 10. The method of claim 9, wherein generating unit associations includes 1 2 identifying units that are associated with other units. The method of claim 10, further including storing the unit associations 1 11. 2 to the memory. 1 12. The method of claim 10, wherein identifying associated units includes 2 determining which units appear in queries with other units. 1 13. The method of claim 1, further comprising generating unit alternatives 2 after the convergence condition has been satisfied. The method of claim 13, wherein generating unit alternatives includes 14. 1 determining whether an edit distance between two units in the final set of units is smaller than 2 3 a threshold value, and if so, comparing the relative frequencies of the two units. 1 15. The method of claim 1, further comprising: generating unit extensions using the final set of units; 2 3 generating unit associations using the final set of units; and generating unit alternatives using the final set of units. 4 The method of claim 15, further including storing the unit extensions, 16. 1 2 the unit associations and the unit alternatives to the memory. 1 17. The method of claim 15, wherein generating unit extensions includes identifying units that are subsets of other units, wherein generating unit associations includes 2 identifying units that are associated with other units, and wherein generating unit alternatives 3 includes determining whether an edit distance between two units in the final set of units is 4 smaller than a threshold value, and if so, comparing the relative frequencies of the two units. 5

1	18. The method of claim 1, wherein validating includes for each combined
2	unit in the second set of units, comparing a frequency of occurrence of the combined unit
3	with a frequency of occurrence of each constituent unit in the combined unit.
1	19. The method of claim 1, wherein the convergence condition includes a
2	threshold value, wherein the convergence condition is satisfied if a change in the number of
3	units in the two second set of units between successive steps of combining and validating is
4	smaller than or equal to the threshold value.
1	20. The method of claim 1, further including:
2	receiving an individual query from a user;
3	identifying one or more units in the individual query; and
4	determining one or more suggestions to provide to the user responsive to the
5	query using one or more of the unit extensions, unit associations and unit alternatives stored
6	in the memory in association with the one or more units identified in the individual query.
1	21. A system for generating concept units from user search queries, the
2	system comprising:
3	a memory unit; and
4	a processing module configured to receive one or more query log files, each
5	query log file including a plurality of queries, each query including a string of one or more
6	words, and wherein the processing module is further configured to:
7	tokenize each query from the query log files to produce an initial set of units;
8	and thereafter, iteratively, until a convergence condition is satisfied:
9	combine units from the initial set of units that appear adjacent each
10	other in a query to form a second set of units; and
11	validate the second set of units, wherein the second set of units is used
12	for each iteration; and
13	once the convergence condition has been satisfied, store a final set of units to
14	the memory unit.
1	22. The system of claim 21, further including one or more query log file
2	sources for providing the query log files.

1	23. The system of claim 21, wherein the processing module is further
2	configured to:
3	generate unit extensions using the final set of units;
4	generate unit associations using the final set of units;
5	generate unit alternatives using the final set of units; and
6	store the unit extensions, unit associations and unit alternatives to the memory
7	unit in association with the final set of units.
1	24. The system of claim 21, wherein the received query log files include
2	query log files for each day of a week, and wherein the processing module is further
3	configured to consolidate the query log files into a single consolidated query file consisting of
4	queries for the week.
1	25. The system of claim 24, wherein the processing module consolidates
2	by removing duplicates of queries and incrementing a count associated with each individual
3	query each time a duplicate of said individual query is removed, wherein the consolidated file
4	includes a list of individual queries and counts associated therewith.
1	26. The system of claim 25, wherein the processing module determines a
2	frequency of occurrence for each unit using the counts associated with the queries, and
3	wherein the processing modules stores the unit frequencies to the memory unit in association
4	with the final set of units.
1	27. The system of claim 21, wherein the memory unit and processing
2	module are implemented in a search server device in a network.
1	28. A computer readable medium including code for causing a processor to
2	generate concept units from a plurality of user search queries, each query comprising a string
3	of one or more words, wherein the code includes instructions to:
4	a) tokenize each query string to produce one or more tokens for each query,
5	wherein said tokens for said queries form an initial set of units;
6	b) combine units from the initial set of units that appear adjacent each other in
7	a query to form a second set of units;
8	c) validate the second set of units;

9	d) repeat b) and c) one of more times using the second set of units in place of
10	the initial set of units until a convergence condition is satisfied, wherein a final set of units is
11	formed once the convergence condition has been satisfied; and
12	store the final set of units to a memory module.
1	29. The computer-readable medium of claim 28, wherein the code further
2	includes instructions to:
3	generate unit extensions using the final set of units;
4	generate unit associations using the final set of units;
5	generate unit alternatives using the final set of units; and
6	store the unit extensions, unit associations and unit alternatives to the memory
7	module in association with the final set of units.
1	30. The computer-readable medium of claim 29, wherein the instructions
2	to generate unit extensions includes instructions to identify units that are subsets of other
3	units, wherein the instructions to generate unit associations includes instructions to identify
4	units that are associated with other units, and wherein the instructions to generate unit
5	alternatives includes instructions to determine whether an edit distance between two units in
6	the final set of units is smaller than a threshold value, and if so, compare the relative
7	frequencies of the two units.
1	31. The method of claim 1, wherein each word comprises one or a
2	plurality of alphanumeric characters.